

Fire Resistant High Conductivity Speaker Cable 22 to 10 AWG, Unscreened, LSZH/HFFR Sheath

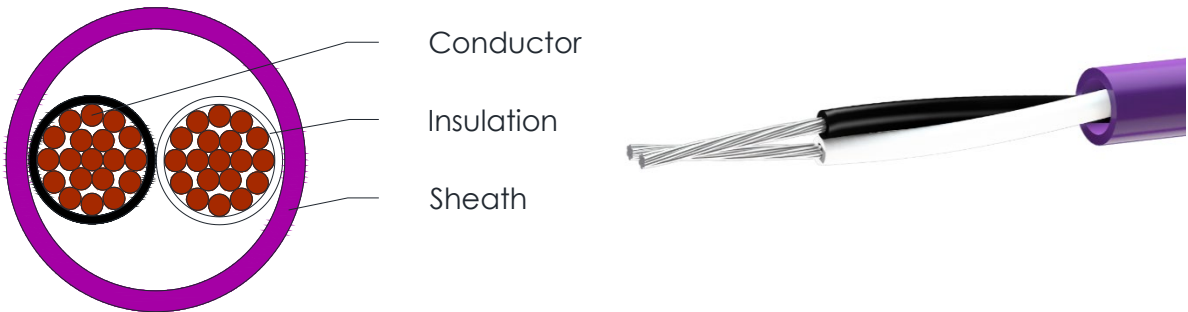


C5506, C5507, C5508, C5509, C5510, C5511, C5512

Applications

Fire Resistant cable Suitable for Audio, Control and Instrumentation

Cross Section Drawing



Design

Unit	Properties
Conductor	Tinned Copper wire, one twisted pair
Insulation	T90 Halogen Free Flame Retardancy (LSZH/HFFR) Core 1: Black Core 2: White
Sheath Material	T90 Halogen Free Flame Retardancy (LSZH/HFFR) Standard colour: Purple
Standard Put Up Length	305 or 500 meters

*Other Colors, Put Up Lengths and structures can be manufactured upon request, please contact your local B3 International sales representative.

**Fire Resistant
High Conductivity Speaker Cable
22 to 10 AWG, Unscreened, LSZH/HFFR Sheath**



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Physical Characteristics

Part Number	C5506	C5507	C5508	C5509	C5510	C5511	C5512
Number of pairs	1						
Conductor size	10	12	14	16	18	20	22
Conductor stranding (AWG)	65x28	19x25	19x27	19x29	7x26	7x28	7x30
Nom. Radial Thickness Insulation (mm)	0.80	0.8	0.8	0.8	0.5	0.4	0.4
Nom. Radial Thickness Sheath (mm)	0.9	0.9	0.9	0.8	0.7	0.6	0.6
Nom. Overall Diameter(mm)	10.8	9.7	8.7	7.65	5.75	4.7	4.3
Operating Temperature (°C)	-25 / +90						
Max. Recommended Pulling Tension (N)	820	665	420	270	200	110	80
Min. Bend Radius (install) (mm)	108	97	87	77	58	47	43
Nominal Cable Weight (kg/km)	155	115	85	60	38	23	19.5

Electrical Characteristics

Part Number	C5506	C5507	C5508	C5509	C5510	C5511	C5512
AWG size conductor	10	12	14	16	18	20	22
Max. DC Resistance Conductor (Ω /km)	3.90	5.61	9.36	15.47	22.7	35.75	57.4
Capacitance conductor to conductor (pF/m)	68	68	62	57	60	60	55
Nominal Inductance (μ H/m)	0.6						
Max. Recommended Current at 25°C (Amps)	18	13	9.5	7.1	5.2	3.9	2.9
Max. Operating Voltage (Vrms)	600	600	600	600	300	300	300

Reference Standards

(BS) EN 50290-2	IEC 60331-21
IEC 60228	IEC 60754-1&-2
IEC 60332-1	IEC 61034
IEC 60332-3-24	RoHS directives